

## APPARATUS AND METHOD FOR CHEMICAL ANALYSIS

### ABSTRACT OF THE DISCLOSURE

An apparatus and method for chemically analyzing a sample fluid are provided. The apparatus includes two fluid selection valves with multiple input ports for selectively receiving sample and reagent fluids. The selection valves are  
5 configured to selectively connect the input ports to output ports such that the sample and reagent fluids can be delivered through a fluid injection valve to a sample vessel and therefrom to an analysis device. The analysis device is configured to receive the sample and reagent fluids and determine at least one chemical characteristic of the  
10 sample fluid.

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